



# UNITED STATES PATENT AND TRADEMARK OFFICE

NV  
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,690	08/11/2003	Hsi-Hsing Hsu	10923-US-PA	1689
31561	7590	10/14/2004	EXAMINER	
JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE 7 FLOOR-1, NO. 100 ROOSEVELT ROAD, SECTION 2 TAIPEI, 100 TAIWAN			FIGUEROA, FELIX O	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 10/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/604,690	HSU ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Felix O. Figueroa	2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-20 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 1-6 is/are allowed.
- 6) Claim(s) 16-19 is/are rejected.
- 7) Claim(s) 7-15 and 20 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    - a) All    b) Some \* c) None of:
      1. Certified copies of the priority documents have been received.
      2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
      3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | Paper No(s)/Mail Date. _____.   |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: _____.                                   |

## **DETAILED ACTION**

### ***Claim Objections***

Claims 7-15 are objected to because of the following informalities: In claim 7 line 6, "the sliding arm" should be --the sliding stand--. In line 7, "the" should be inserted after "on". Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 16 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Yu et al. (US 6,758,690).

Regarding claim 16, Yu discloses a cradle set (50) for a handheld electronic device, comprising: a base plate (14); a stand (12) movably mounted to the base plate; and a connector (20) fastened to the stand (through 18,22 & 36), adapted for electrically connecting with the electronic device.

Regarding claim 17, Yu discloses an element (16) providing a resilient force.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Art Unit: 2833

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 18 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yu in view of Mizumo (US 5,764,497).

Yu discloses the cradle set comprising a circuit board (18) secured to the stand (by 22 & 36) and the connector being mounted on the circuit board.

Yu discloses substantially the claimed invention except for the flexible printed circuit. Mizumo teaches the use of a flexible printed circuit (20) to provide connection between circuit boards (10,30), thus simplifying/facilitating the connection process by connecting all the electric lines at the same time. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to provide the cradle set of Yu with a flexible printed circuit electrically connected to the circuit board, as taught by Mizumo, to simplifying the connection process to a main circuit board.

Regarding claim 19, Yu discloses the element being secure to the base plate (by 22 & 36).

#### ***Allowable Subject Matter***

Claims 1-6 are allowed.

Claims 7-15 would be allowable if rewritten or amended to overcome the objections set forth in this Office action.

Claims 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: Regarding claim 1, the prior art does not teach or suggest a slide-in structure for a cradle set having a connector and a circuit board, comprising: a base plate having a pair of sidewalls with a pair of voids; a sliding stand between the sidewalls, wherein the connector is fastened to the sliding stand via the circuit board; wherein ends of the sliding stand are movable received in the voids of the sidewalls; and a pushing arm (16) positioned between the two sidewalls of the base plate, having a portion in contact with a surface or the sliding stand for resiliently pushing the sliding stand, in combination with the remaining limitation of the claim.

Regarding claim 7, the prior art does not teach or suggest a cradle set for a handheld electronic device, comprising: a slot; a base plate; a sliding stand movably mounted to the base plate; a pushing element resiliently pushing the sliding stand; flexible printed circuit connecting a circuit board to a main circuit board; wherein the circuit board is secured on sliding stand, and a connector is mounted on the circuit board, in combination with the remaining limitations of the claim.

Regarding claim 20, the prior art does not teach or suggest a cradle set with a circuit board secured to a movable stand, and a connector mounted on the circuit board, wherein the stand ends movably fitted in a pair of arc-shaped grooves on the base plate, in combination with the remaining limitations of the claim.

***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Kfouri et al. (6,049,192) discloses a cradle set.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Felix O. Figueroa whose telephone number is (571) 272-2003. The examiner can normally be reached on Mon.-Fri., 10:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (571) 272-2800 Ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ffr

*Felix O. Figueroa*